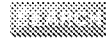




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Qi Yu, Xumin Liu, Athman Bouguettaya, Brahim Medjahed

May 2008

The VLDB Journal — The International Journal on Very Large Data Bases

3

Publisher: Springer-Verlag New York, Inc.Full text available: [Pdf](#) (903.96 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)**Bibliometrics:** Downloads (6 Weeks): 290, Downloads (12 Months): 1676, Citation Count: 2

Web services are expected to be the key technology in enabling the next installment of the form of the Service Web. In this paradigm shift, Web services would be treated as first

Keywords: Interoperability, Service-oriented computing, Web service management systems**22** [Service oriented architectures: approaches, technologies and research issues](#)

Mike P. Papazoglou, Willem-Jan Heuvel

July 2007

The VLDB Journal — The International Journal on Very Large Data Bases

3

Publisher: Springer-Verlag New York, Inc.Full text available: [Pdf](#) (818.68 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [index](#)**Bibliometrics:** Downloads (6 Weeks): 380, Downloads (12 Months): 3254, Citation Count: 9

Service-oriented architectures (SOA) is an emerging approach that addresses the requirements of loosely coupled, standards-based, and protocol-independent distributed computing. Typical operations running in an SOA comprise a number of invocations ...

Keywords: Application and service integration, Asynchronous and event-driven processing, Service oriented architecture, Web services**23** [Stateful distributed interposition](#)



John Reumann, Kang G. Shin

February 2004 **Transactions on Computer Systems (TOCS)**, Volume 22 Issue 1**Publisher:** ACMFull text available: [Pdf](#) (833.84 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 84, Citation Count: 3


Interposition-based system enhancements for multitiered servers are difficult to build because system context is typically lost at application and machine boundaries. For example, re-authentication and user identities do not propagate easily ...

Keywords: Distributed computing, component services, distributed context, multitiered operating systems, server consolidation**ADVANCED SEARCH**
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24 [Framework for Web service query algebra and optimization](#) [QI Yu, Athman Bouguettaya](#)February 2008 **Transactions on the Web (TWEB)** , Volume 2 Issue 1**Publisher:** ACMFull text available:  [Pdf](#) (1.13 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [index](#)**Bibliometrics:** Downloads (6 Weeks): 60, Downloads (12 Months): 414, Citation Count: 0


We present a query algebra that supports optimized access of Web services through service queries. The service query algebra is defined based on a formal service model that provides an abstraction of Web services across an application ...

Keywords: Web service, query optimization, service oriented computing, service query**25** [The design and applications of a context service](#) [Hui Lei, Daby M. Sow, John S. Davis, II, Guruduth Banavar, Maria R. Ebling](#)October 2002 **SI MOBILE Mobile Computing and Communications Review** , Volume 6 Issue 4**Publisher:** ACMFull text available:  [Pdf](#) (87.81 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)**Bibliometrics:** Downloads (6 Weeks): 23, Downloads (12 Months): 171, Citation Count: 15

Context awareness enables applications to adapt themselves to their computing environment better suit the needs of the user and the tasks. This paper describes a general middleware for context collection and dissemination, ...

26 [CWSC4EC: how to employ context, web service, and community in enterprise collaboration](#) [Khouloud Boukadi, Chirine Ghedira, Sodki Chaari, Lucien Vincent, Emad Bataineh](#)June 2008 **NOTERE '08: Proceedings of the 8th international conference on New technologies for distributed systems****Publisher:** ACMFull text available:  [Pdf](#) (2.87 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [index](#)**Bibliometrics:** Downloads (6 Weeks): 16, Downloads (12 Months): 87, Citation Count: 0

Web services are becoming an essential support for inter-enterprise collaborative business processes. Nevertheless, in spite of the crucial progress in Web service technologies there is some challenge especially in the discovery and selection phase. In ...

Keywords: collaborative business process, collaborative business process creation, collaborative web service**27** [Designing a distributed access control processor for network services on the Web](#) [Reiner Kraft](#)November 2002 **XMLSEC '02: Proceedings of the 2002 ACM workshop on XML security****Publisher:** ACMFull text available:  [Pdf](#) (301.14 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)**Bibliometrics:** Downloads (6 Weeks): 23, Downloads (12 Months): 190, Citation Count: 4


The service oriented architecture (SOA) is gaining more momentum with the advent of service-oriented computing on the Web. A programmable and machine accessible Web is the vision of many, and a next step towards the semantic Web. However, security is ...

Keywords: Web services, XML, access control, security**28** [A cooperation-based approach for evolution of service ontologies](#)

Murat Sensoy, Pinar Yolum

May 2008 **AAMAS '08: Proceedings of the 7th international joint conference on A agents and multiagent systems - Volume 2**, Volume 2

Publisher: International Foundation for Autonomous Agents and Multiagent Systems


Full text available:  Pdf (324.53 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 62, Citation Count: 0

Communication among agents requires a common vocabulary to facilitate successful interaction. One way to achieve this is to assume the existence of a common ontology among communicating agents. However, this is a strong assumption, because agents ...

Keywords: e-commerce, semantics, service ontology

29 [A Web services composition approach based on software agents and context](#)

 Zakaria Maamar, Soraya Kouadri, Hamdi Yahyaoui

March 2004 **SAC '04: Proceedings of the 2004 ACM symposium on Applied computing**

Publisher: ACM

Full text available:  Pdf (212.85 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited b](#)

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 104, Citation Count: 4

We present an agent-based and context-oriented approach for Web services composition. This approach is an accessible application that other applications and humans can discover and trigger to satisfy various needs. Due to the complexity of Web services ...

Keywords: Web service, composition, context, security, software agent

30 [On exploring performance optimizations in web service composition](#)

Jingwen Jin, Klara Nahrstedt

October 2004 **Middleware '04: Proceedings of the 5th ACM/IFIP/USENIX international conference on Middleware**

Publisher: Springer-Verlag New York, Inc.

Full text available:  Pdf (403.35 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited b](#)

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 81, Citation Count: 3

The importance of service composition has been widely recognized in the Internet research community due to its high flexibility in allowing development of customized applications from primitive plug-and-play manner. Although much research ...


Keywords: QoS, application-level routing, multicast, overlay networks, service composition

31 [Service composition for mobile environments](#)

Dipankar Chakraborty, Anupam Joshi, Tim Finin, Yelena Yesha

August 2005 **Mobile Networks and Applications**, Volume 10 Issue 4

Publisher: Kluwer Academic Publishers

Full text available:  Pdf (2.33 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited b](#)

Bibliometrics: Downloads (6 Weeks): 26, Downloads (12 Months): 202, Citation Count: 4

Service Composition, that is, the development of customized services by discovering, integrating, and executing existing services has received a lot of attention in the last couple of years with the rise of wired-infrastructure or Internet web services. ...


Keywords: DAML, broker, mobility, resource heterogeneity, service composition, service discovery

32 [Composing Web services on the Semantic Web](#)


Brahim Medjahed, Athman Bouguettaya, Ahmed K. Elmagarmid

November 2003 **The VLDB Journal — The International Journal on Very Large Data**

Issue 4

Publisher: Springer-Verlag New York, Inc.Full text available:  Pdf (1.29 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [cited b](#)**Bibliometrics:** Downloads (6 Weeks): 59, Downloads (12 Months): 493, Citation Count: 42

Service composition is gaining momentum as the potential *silver bullet* for the envision. It purports to take the Web to unexplored efficiencies and provide a flexible approach to types of activities in tomorrow's ...

Keywords: Ontology, Semantic Web, Service composition, Web services**33** [Testing pervasive software in the presence of context inconsistency resolution ser](#) Heng Lu, W.K. Chan, T.H. TseMay 2008 **I CSE '08: Proceedings of the 30th international conference on Software engin****Publisher:** ACMFull text available:  Pdf (258.14 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [cited b](#)**Bibliometrics:** Downloads (6 Weeks): 36, Downloads (12 Months): 274, Citation Count: 2


Pervasive computing software adapts its behavior according to the changing contexts. contexts are often noisy. Context inconsistency resolution provides a cleaner pervasive environment to context-aware applications. A faulty context-aware ...

Keywords: context inconsistency resolution, pervasive computing, test adequacy**34** [Web service composition with case-based reasoning](#)


Benchaphon Limthanmaphon, Yanchun Zhang

January 2003 **ADC '03: Proceedings of the 14th Australasian database conference -**

Volume 17

Publisher: Australian Computer Society, Inc.Full text available:  Pdf (77.74 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [cited b](#)**Bibliometrics:** Downloads (6 Weeks): 13, Downloads (12 Months): 107, Citation Count: 10


To run a smart E-Business or provide efficient Web service, a web services composition Web services composition refers to the process of collaborating the heterogeneous web paper presents a model of web services composition ...

Keywords: case-based reasoning, web service, web service discovery**35** [Quality driven web services composition](#) Liangzhao Zeng, Boualem Benatallah, Marlon Dumas, Jayant Kalagnanam, Quan Z. ShengMay 2003 **WWW '03: Proceedings of the 12th international conference on World Wide W****Publisher:** ACMFull text available:  Pdf (245.01 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [cited b](#)**Bibliometrics:** Downloads (6 Weeks): 55, Downloads (12 Months): 391, Citation Count: 44

The process-driven composition of Web services is emerging as a promising approach to business applications within and across organizational boundaries. In this approach, in services are federated into composite Web services whose ...

Keywords: QoS, service composition, web services

36 Serviguration: towards online configurability of real-world services

 Ziv Baida, Hans Akkermans, Jaap Gordijn

September 2003 **ICEC '03**: Proceedings of the 5th international conference on Electronic c

Publisher: ACM

Full text available:  Pdf (322.59 KB)


Additional Information: [full citation](#), [abstract](#), [references](#), [cited b](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 41, Citation Count: 2

Current eCommerce is still mainly characterized by the relatively straightforward tradir goods. Nextgeneration efforts in worldwide information infrastructure, especially the S Web Services, contribute some necessary, but ...

Keywords: SemanticWeb technologies, collaborative eCommerce, configuration, ontol product/service description

37 Quality aspects in service ecosystems: areas for exploitation and exploration

 Christoph Riedl, Tilo Böhmman, Michael Rosemann, Helmut Krcmar

August 2008 **ICEC '08**: Proceedings of the 10th international conference on Electronic con

Publisher: ACM

Full text available:  Pdf (704.90 KB)


Additional Information: [full citation](#), [abstract](#), [references](#), [index](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 112, Citation Count: 0

Service Science, Management, and Engineering (SSME) is a research area with signific research and practice. Networked systems of web services are a field of service scienc growing interest from researchers. The complex and ...



Keywords: innovation, new service development (NSD), quality management, service service management, web service

38 What can context do for web services?

 Zakaria Maamar, Djamel Benslimane, Nanjangud C. Narendra

December 2006 **Communications of the ACM**, Volume 49 Issue 12


Publisher: ACM

Full text available:  Html (24.37 KB),  Pdf (600.73 KB) Additional Information: [full citation](#), [abstract](#), [refer](#)
[terms](#)

Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 270, Citation Count: 4

Context-aware Web service would significantly benefit the interactions between humar and the environment.

39 A service creation environment based on end to end composition of Web services

 Vikas Agarwal, Koustuv Dasgupta, Neeran Karnik, Arun Kumar, Ashish Kundu, Sumit Mitt: Srivastava

May 2005 **WWW '05**: Proceedings of the 14th international conference on World Wide V

Publisher: ACM

Full text available:  Pdf (346.42 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index](#)

Bibliometrics: Downloads (6 Weeks): 43, Downloads (12 Months): 364, Citation Count: 11

The demand for quickly delivering new applications is increasingly becoming a busines today. Application development is often done in an ad hoc manner, without standard fi libraries, thus resulting in poor reuse of software assets. ...

Keywords: Web services composition, planning, semantic Web

40 [Rich service description for a *smarter lifestyle*](#)[Patricia Chariton, Myriam Ribiere](#)

July 2003

AAMAS '03: Proceedings of the second international joint conference on Autonomous and multiagent systems**Publisher:** ACMFull text available: [Pdf](#) (191.10 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [index](#)!**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 33, Citation Count: 0

A generally portrayed mobile society vision is captured by the idea of *Intelligent Personal Lifestyle Assistants* that takes on many forms, they help you find your way around the might be mobile, they may be socially intelligent ...

Keywords: DAML-S, dynamic team formation, service aggregation, service description web services

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